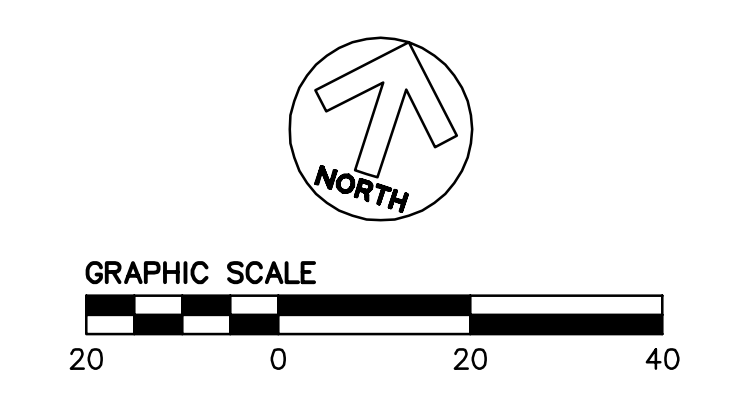
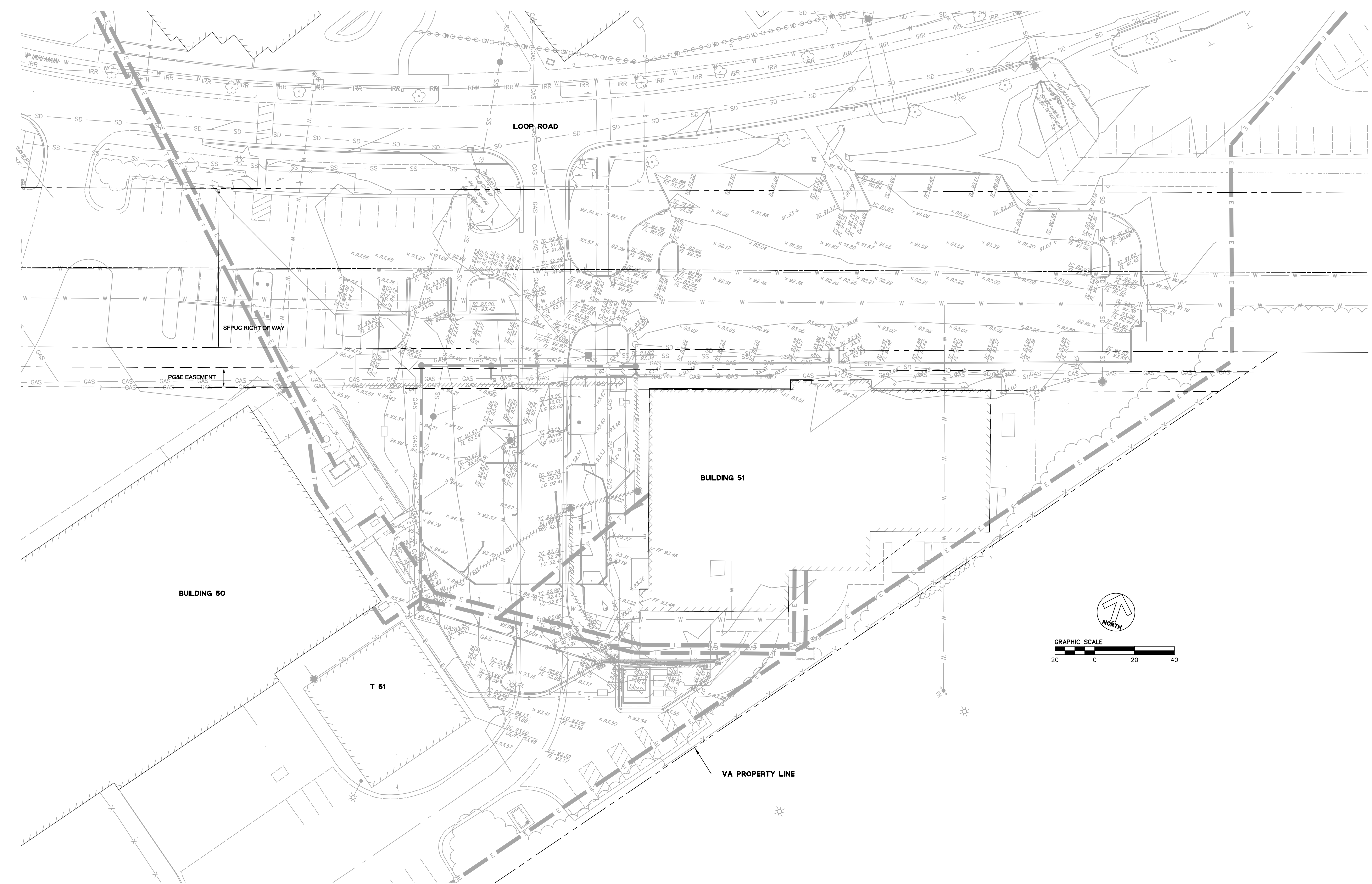


9

Three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot
one sixteenth inch = one foot

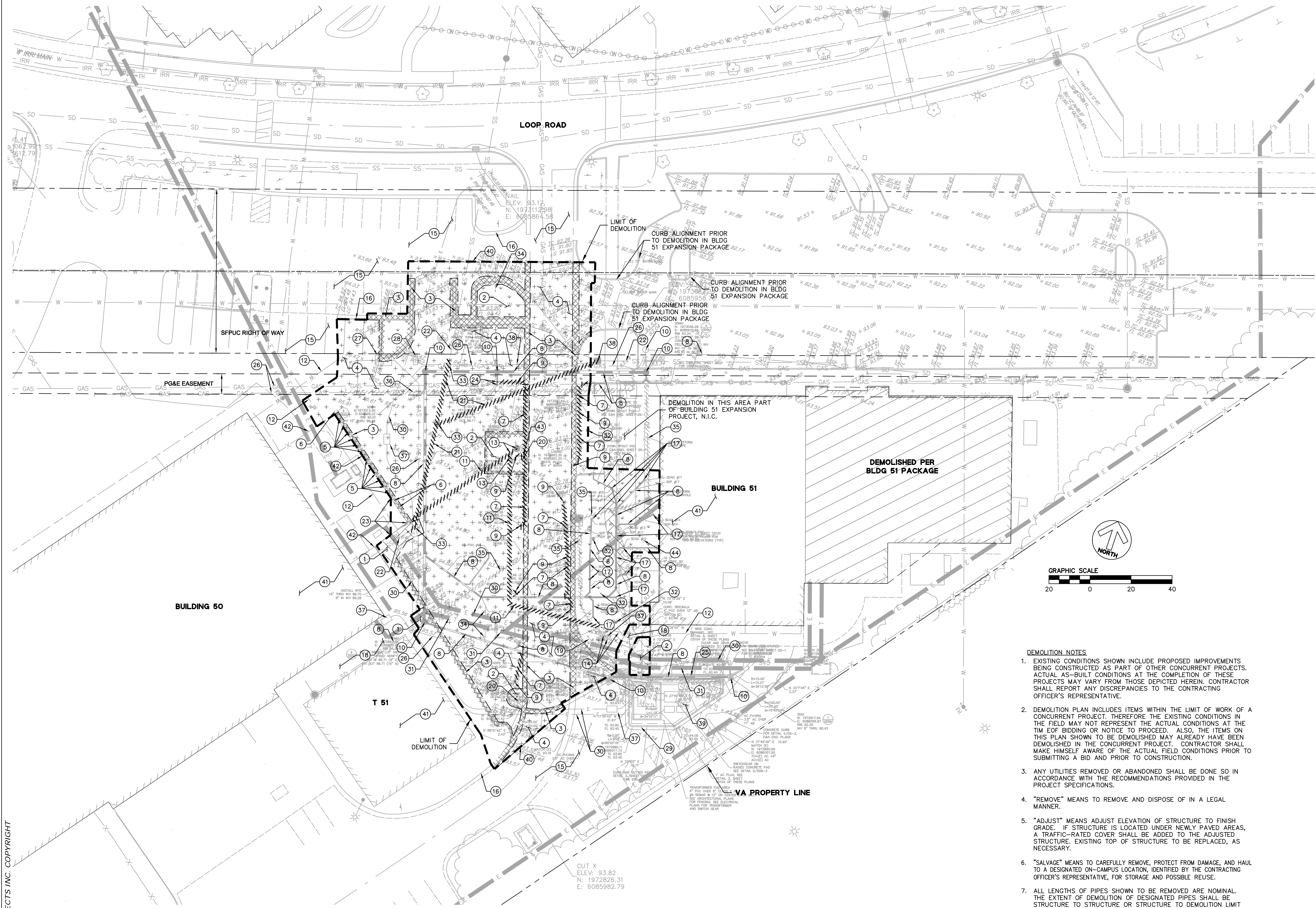
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CONSULTANTS: BKF ENGINEERING / SURVEYING / PLANNING 980 9th Street, Suite 1770 Sacramento, CA 95814 Ph: (916) 556-5800 F: (916) 556-5899				ARCHITECT/ENGINEERS: HILLIARD ARCHITECTS, INC. 251 Post Street, Suite 620 San Francisco, CA 94108-5017 Tel 415 989 6400, Fax 415 989 3056 www.HilliardArchitects.com		Drawing Title EXISTING CONDITIONS PLAN		Project Title GENOMICS CLINICAL RESEARCH CENTER, PALO ALTO		Project Number 640-389 Building Number 51		Office of Construction and Facilities Management
Revisions:				Approved: Project Director		Location VAPAHCS - PALO ALTO		Drawing Number CS101		Dwg. of		
						Date 06/05/2014		Checked AH Drawn JS				

FINAL BID DOCUMENTS

three eighths inch = one foot
one eighth inch = one foot
one quarter inch = one foot
one half inch = one foot
one inch = one foot
one and one half inches = one foot
two inches = one foot
three inches = one foot
four inches = one foot
five inches = one foot
six inches = one foot
seven inches = one foot
eight inches = one foot
nine inches = one foot
ten inches = one foot
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ninety inches = one foot
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ninety two inches = one foot
ninety three inches = one foot
ninety four inches = one foot
ninety five inches = one foot
ninety six inches = one foot
ninety seven inches = one foot
ninety eight inches = one foot
ninety nine inches = one foot
one hundred inches = one foot



DEMOLITION KEYNOTES

- 1 REMOVE CONCRETE SIDEWALK AND AGGREGATE BASE
- 2 CLEAR AND GRUB
- 3 REMOVE CURB AND GUTTER
- 4 REMOVE ASPHALT PAVING AND AGGREGATE BASE
- 5 PROTECT BOLLARD
- 6 REMOVE BOLLARD
- 7 REMOVE STORM DRAIN PIPE
- 8 PROTECT STORM DRAIN PIPE
- 9 REMOVE STORM DRAIN STRUCTURE
- 10 PROTECT STORM DRAIN STRUCTURE
- 11 REMOVE WATER PIPE
- 12 PROTECT WATER PIPE
- 13 REMOVE WATER APPURTENANCE
- 14 PROTECT WATER APPURTENANCE
- 15 PROTECT ASPHALT PAVING
- 16 PROTECT CURB AND GUTTER
- 17 ADJUST RIM TO FINISH GRADE
- 18 PROTECT SIDEWALK
- 19 SALVAGE SIGN
- 20 REMOVE LIGHT
- 21 REMOVE SANITARY SEWER PIPING
- 22 PROTECT SANITARY SEWER PIPING
- 23 REMOVE FENCE AND FOOTINGS
- 24 REMOVE TEE AND CLEAN OUT
- 25 PROTECT CONCRETE CHANNEL
- 26 PROTECT GAS LINE
- 27 PROTECT GAS METER PAD
- 28 PROTECT SEWER LIFT STATION PANEL AND PAD
- 29 PROTECT CURB AND GUTTER
- 30 ELECTRICAL LINE, FOR REFERENCE ONLY, REFER TO ELECTRICAL PLANS
- 31 TELECOM LINE, FOR REFERENCE ONLY, REFER TO TELECOM PLANS
- 32 REMOVE TREE
- 33 REMOVE SANITARY SEWER STRUCTURE
- 34 REMOVE SIGN
- 35 STORM DRAIN PIPE DEMOLISHED IN BLDG 51 PACKAGE, FOR REFERENCE ONLY
- 36 GAS PIPE DEMOLISHED IN BLDG 51 PACKAGE, FOR REFERENCE ONLY
- 37 PROTECT ELECTRICAL BOX
- 38 PROTECT SANITARY SEWER STRUCTURE
- 39 TRANSFORMER PAD AREA FROM BLDG 51 PACKAGE, FOR REFERENCE ONLY
- 40 SAW CUT LINE
- 41 PROTECT BUILDING
- 42 PROTECT FENCE
- 43 REMOVE ELECTRICAL BOX
- 44 REMOVE ASV

DEMOLITION NOTES

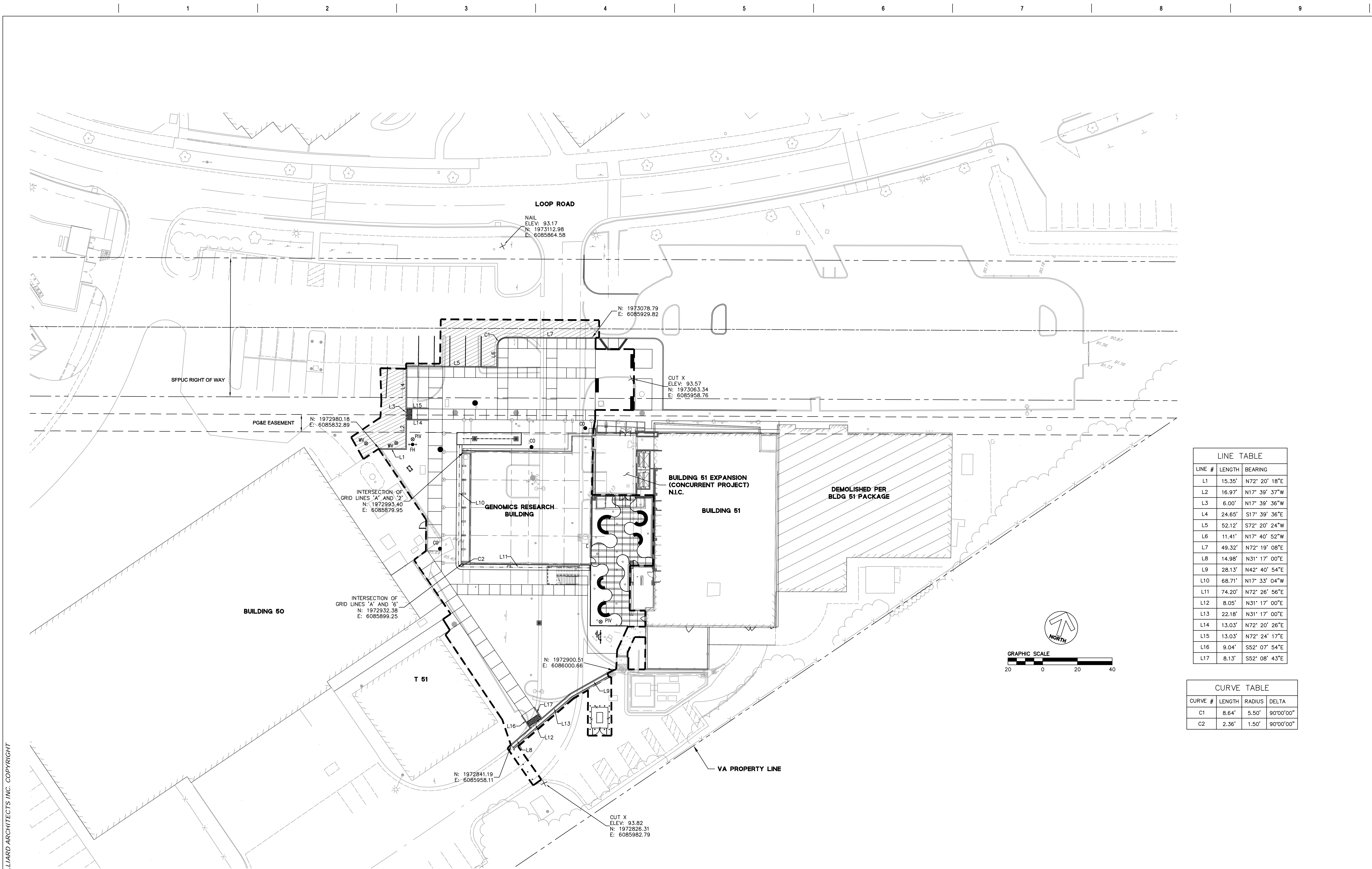
1. EXISTING CONDITIONS SHOWN INCLUDE PROPOSED IMPROVEMENTS BEING CONSTRUCTED AS PART OF OTHER CONCURRENT PROJECTS. ACTUAL AS-BUILT CONDITIONS AT THE COMPLETION OF THESE PROJECTS MAY VARY FROM THOSE DEPICTED HEREIN. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE CONTRACTING OFFICER'S REPRESENTATIVE.
2. DEMOLITION PLAN INCLUDES ITEMS WITHIN THE LIMIT OF WORK OF A CONCURRENT PROJECT. THEREFORE THE EXISTING CONDITIONS IN THE FIELD MAY NOT REPRESENT THE ACTUAL CONDITIONS AT THE TIME OF BIDDING OR NOTICE TO PROCEED. ALSO, THE ITEMS ON THIS PLAN SHOWN TO BE DEMOLISHED MAY ALREADY HAVE BEEN DEMOLISHED IN THE CONCURRENT PROJECT. CONTRACTOR SHALL MAKE HIMSELF AWARE OF THE ACTUAL FIELD CONDITIONS PRIOR TO SUBMITTING A BID AND PRIOR TO CONSTRUCTION.
3. ANY UTILITIES REMOVED OR ABANDONED SHALL BE DONE SO IN ACCORDANCE WITH THE RECOMMENDATIONS PROVIDED IN THE PROJECT SPECIFICATIONS.
4. "REMOVE" MEANS TO REMOVE AND DISPOSE OF IN A LEGAL MANNER.
5. "ADJUST" MEANS ADJUST ELEVATION OF STRUCTURE TO FINISH GRADE. IF STRUCTURE IS LOCATED UNDER NEWLY PAVED AREAS, A TRAFFIC-RATED COVER SHALL BE ADDED TO THE ADJUSTED STRUCTURE. EXISTING TOP OF STRUCTURE TO BE REPLACED, AS NECESSARY.
6. "SALVAGE" MEANS TO CAREFULLY REMOVE, PROTECT FROM DAMAGE, AND HAUL TO A DESIGNATED ON-CAMPUS LOCATION, IDENTIFIED BY THE CONTRACTING OFFICER'S REPRESENTATIVE, FOR STORAGE AND POSSIBLE REUSE.
7. ALL LENGTHS OF PIPES SHOWN TO BE REMOVED ARE NOMINAL. THE EXTENT OF DEMOLITION OF DESIGNATED PIPES SHALL BE STRUCTURE TO STRUCTURE OR STRUCTURE TO DEMOLITION LIMIT LINE AND SHALL BE ADJUSTED IN THE FIELD BASED ON AS-BUILT CONDITIONS ENCOUNTERED.
8. VOIDS RESULTING FROM DEMOLITION ACTIVITIES SHALL BE BACKFILLED WITH ENGINEERED FILL AND FINISHED SURFACES SHALL BE GRADED TO DRAIN.
9. CONTRACTOR SHALL ADJUST ALL MANHOLES, ACCESS COVERS, AND VAULT LIDS AS NEEDED TO COMPLY WITH THE PROPOSED GRADING PLAN.

FINAL BID DOCUMENTS

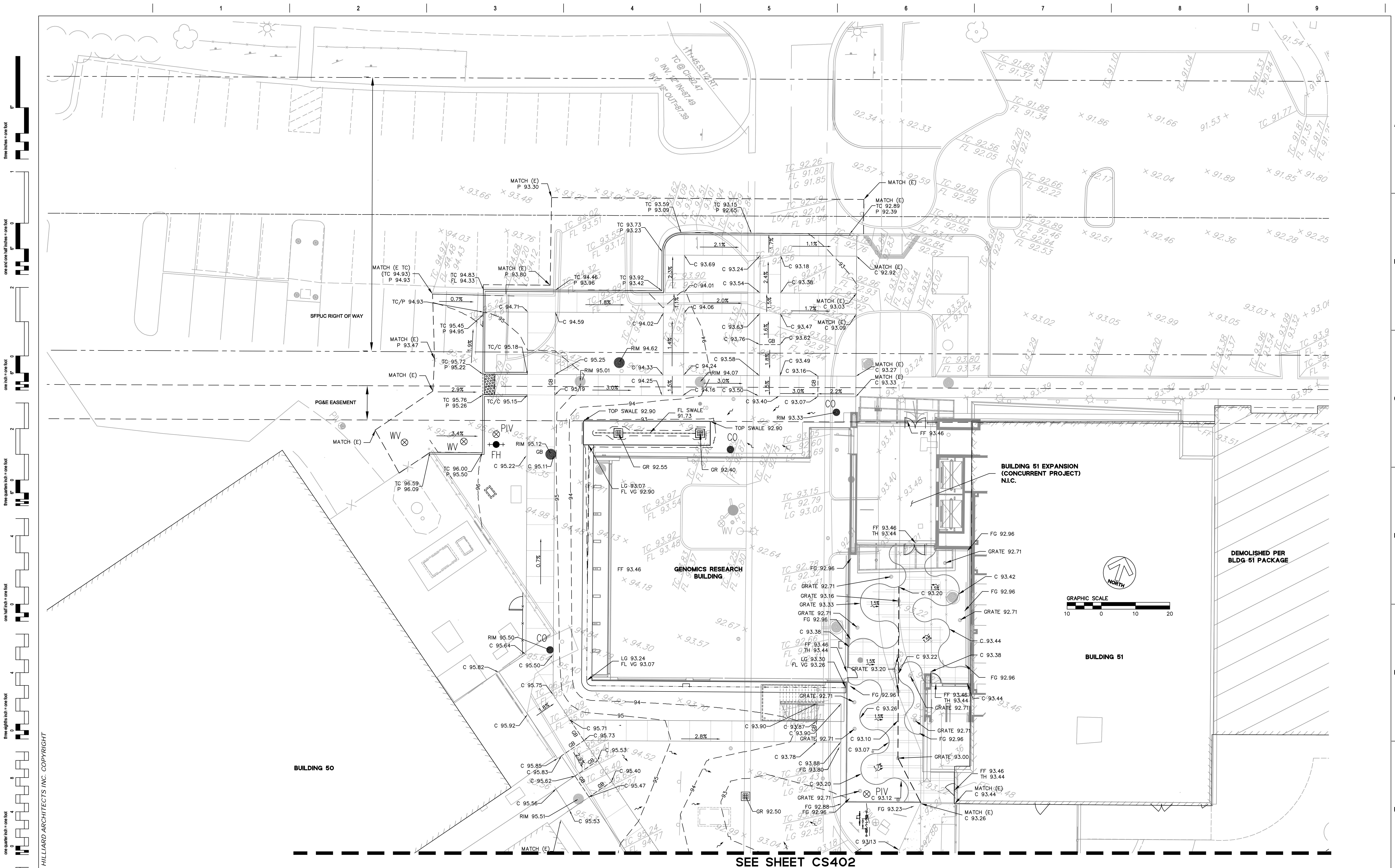
CONSULTANTS: BKF ENGINEERS / SURVEYORS / PLANNERS 980 9th Street, Suite 1770 Sacramento, CA 95814 Ph: (916) 556-5800 F: (916) 556-5899		ARCHITECT/ENGINEERS: HILLIARD ARCHITECTS, INC 251 Post Street, Suite 620 San Francisco, CA 94108-5017 Tel 415 989 6400, Fax 415 989 3056 www.HilliardArchitects.com		Drawing Title DEMOLITION PLAN		Project Title GENOMICS CLINICAL RESEARCH CENTER, PALO ALTO		Project Number 640-389		Office of Construction and Facilities Management
Revisions:		Approved: Project Director		Location VAPAHCS - PALO ALTO		Building Number 51		Drawing Number CD201		
Date		Date 06/05/2014		Checked AH		Drawn JS				



VA FORM 08-6231



CURVE TABLE			
CURVE #	LENGTH	RADIUS	DELTA
C1	8.64'	5.50'	90°00'00"
C2	2.36'	1.50'	90°00'00"



SEE SHEET CS402


FINAL BID DOCUMENTS

[illegible]



VA FORM 08-6231

**VA PROPERTY LINE**

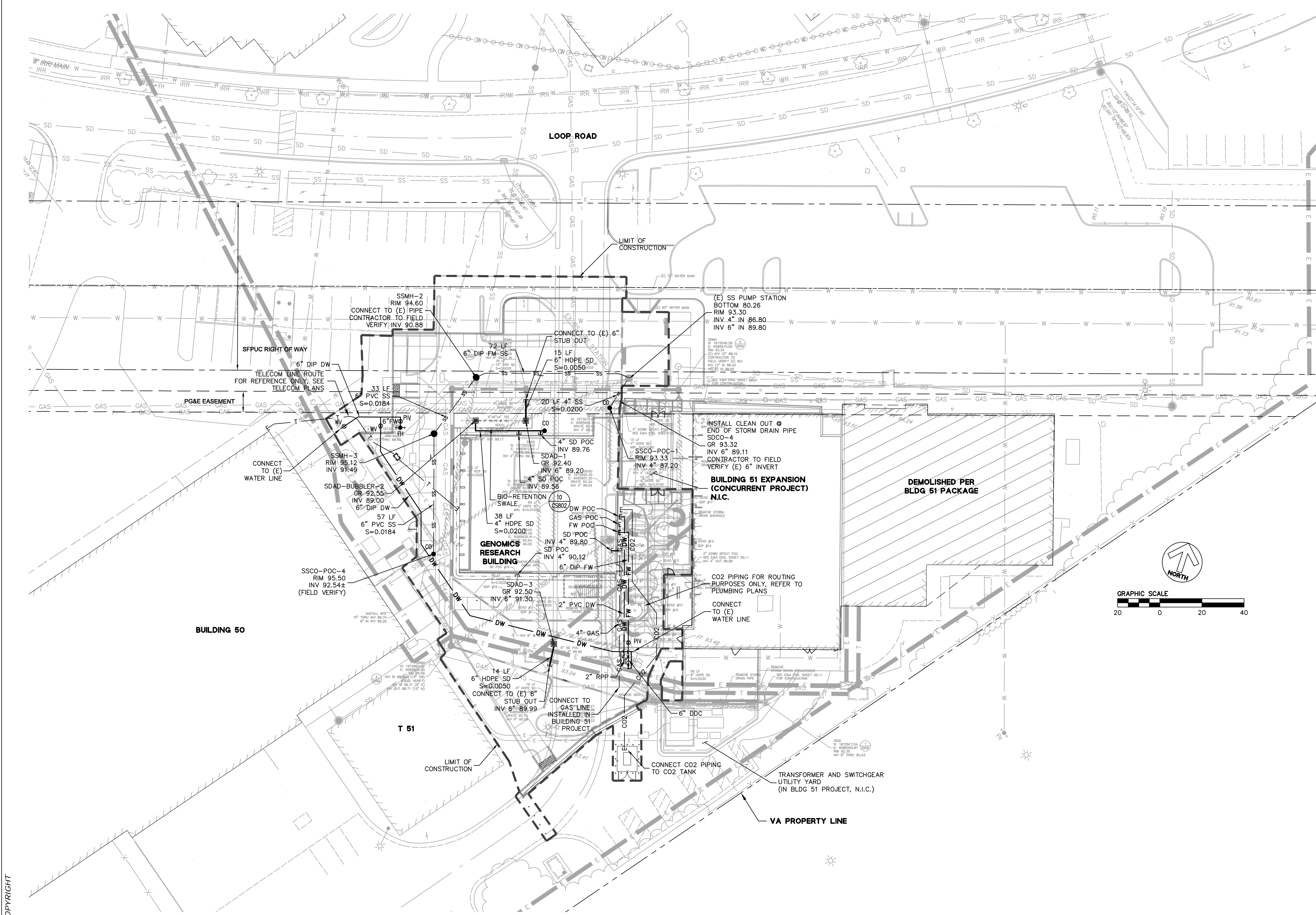
CONSULTANTS:	
 <p>Bkf ENGINEERS SCIENTISTS PLANNERS 990 9th Street, Suite 1770 Sacramento, CA. 95814 Ph: (916) 556-5800 F: (916) 556-5899</p>	



Department of
Veterans Affairs

one eighth inch = one foot
one quarter inch = one foot
three eighths inch = one foot
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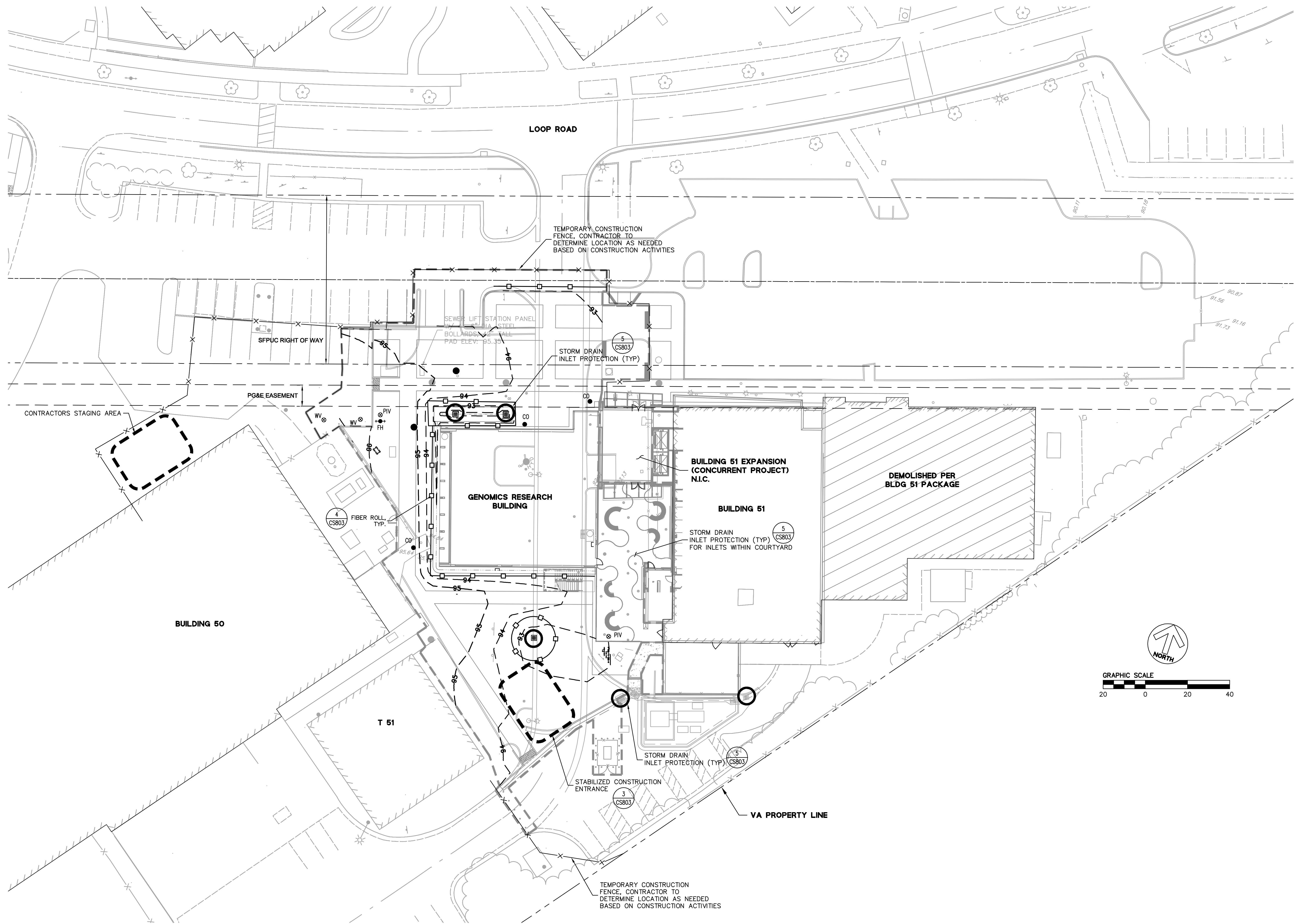
LEGEND	
SD STORM DRAIN	SS SANITARY SEWER
FM FORCE MAIN	DW DOMESTIC WATER
FW FIRE WATER	GAS GAS
RPP REDUCED PRESSURE PRINCIPLE	DDC DOUBLE DETECTOR CHECK
FH FIRE HYDRANT	WV WATER VALVE
MH MANHOLE	DI DROP INLET/BUBBLER
PIV POST INDICATOR VALVE	CO CLEAN OUT

NOTES:
1. REFER TO DETAIL 8, SHEET CS802 FOR TRENCH BACKFILL INFORMATION.
2. REFER TO DETAIL 7, SHEET CS802 FOR MECHANICAL RESTRAINT SCHEDULE FOR WATER PIPING.
3. ON-SITE BUILDING FIRE WATER SERVICE PIPE LAYOUT AND PIPE SIZES WILL BE DESIGNED BY THE FIRE PROTECTION ENGINEER AND ARE SHOWN ON THE CIVIL PLANS FOR REFERENCE ONLY. COORDINATE WITH FIRE PROTECTION ENGINEERS' PLANS PRIOR TO CONSTRUCTION.
4. SEWER FORCE MAIN SHALL BE MECHANICALLY RESTRAINED PER DETAIL 7, SHEET CS802.

STORM DRAIN STRUCTURE SCHEDULE				
STRUCTURE ID#	NORTHING	EASTING	DESCRIPTION	DETAIL
SDAD-1	1973009.87	6085906.20	AREA DRAIN	2 / CS803
SDAD-2	1973002.60	6085883.50	AREA DRAIN	2 / CS803
SDAD-3	1972913.17	6085951.59	AREA DRAIN	2 / CS803
SDCO-4	1973032.53	6085945.41	CLEAN OUT	9 / CS803

SANITARY SEWER STRUCTURE SCHEDULE				
STRUCTURE ID#	NORTHING	EASTING	DESCRIPTION	DETAIL
SSCO-POC-1	1973028.01	6085942.19	CLEAN OUT	9 / CS802
SSMH-2	1973022.20	6085877.40	MANHOLE	1 / CS803
SSMH-3	1972990.60	6085866.64	MANHOLE	1 / CS803
SSCO-POC-4	1972936.19	6085884.08	CLEAN OUT	9 / CS802

CONSULTANTS: Bkf ENGINEERS / SURVEYORS / PLANNERS 980 9th Street, Suite 1770 Sacramento, CA 95814 Ph: (916) 556-5800 F: (916) 556-5899		ARCHITECT/ENGINEERS: HILLIARD ARCHITECTS HILLIARD ARCHITECTS, INC 251 Post Street, Suite 620 San Francisco, CA 94108-5017 Tel 415 989 6400, Fax 415 989 3056 www.HilliardArchitects.com		Drawing Title UTILITY PLAN		Project Title GENOMICS CLINICAL RESEARCH CENTER, PALO ALTO		Project Number 640-389 Building Number 51		Office of Construction and Facilities Management Department of Veterans Affairs	
Revisions: Date		Professional Engineer Seal 06/05/2014		Approved: Project Director		Location VAPAHCS - PALO ALTO		Drawing Number CS501 Dwg. of			



one eighth inch = one foot
one quarter inch = one foot
one half inch = one foot
three eighths inch = one foot
one inch = one foot
one and one half inches = one foot
two inches = one foot
three inches = one foot

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VA FORM 08-0231

CONSULTANTS:



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Sacramento, CA 95814
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ARCHITECT/ENGINEERS:



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Drawing Title
EROSION CONTROL PLAN

Approved: Project Director

Project Title
GENOMICS CLINICAL
RESEARCH CENTER,
PALO ALTO

Location
VAPAHCS - PALO ALTO

Date
06/05/2014

Checked
AH

Drawn
JS

Project Number
640-389
Building Number
51

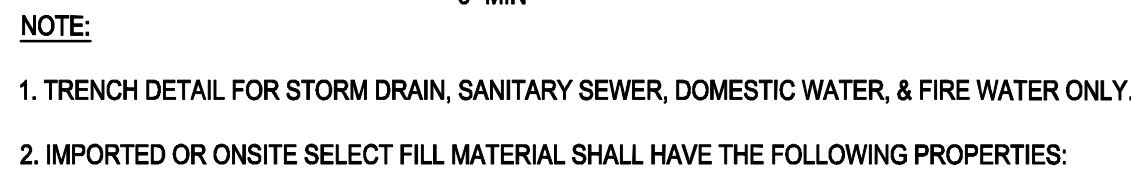
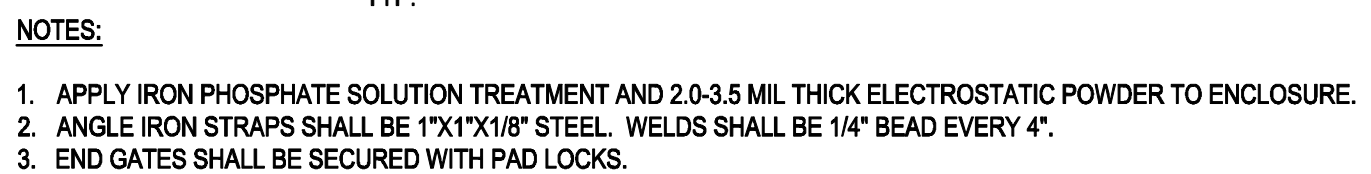
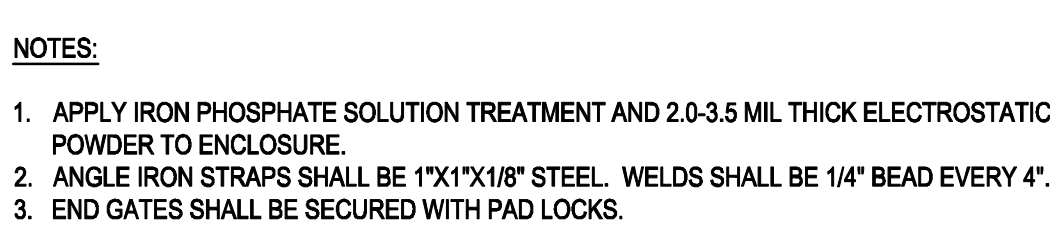
Drawing Number
CS601
Dwg. of

Office of
Construction
and Facilities
Management



FINAL BID DOCUMENTS





PIPE THRUST RESTRAINTS: MECHANICAL RESTRAINTS SHALL BE INSTALLED AS REQUIRED TO PROPERLY RESTRAIN ALL PIPING SYSTEMS. AT A MINIMUM, RESTRAINERS SHALL BE PROVIDED ON ALL BELOW-GRADE VALVES AND FITTINGS AND AT THE REQUIRED NUMBER OF PIPE JOINTS IN EACH DIRECTION. REQUIRED LENGTHS OF RESTRAINED PIPE SHALL BE AS SHOWN IN PIPE RESTRAINT SCHEDULES ABOVE.

BASIS OF SCHEDULES

1. TEST PRESSURE 150 PSIG
2. MINIMUM PIPE DEPTH 3 FEET
3. TYPE 4 TRENCH (4" GRANULAR BEDDING)
4. FACTOR OF SAFETY = 1.5
5. SOIL TYPE = CL (CLAY)

A. "LOW" REPRESENTS THE MINIMUM LENGTH OF PIPE (IN FEET) REQUIRED TO BE RESTRAINED ON THE LOW SIDE OF THE VERTICAL OFFSET, WHICH IS TYPICALLY DOWNSTREAM OF THE OFFSET FITTING. "HIGH" REPRESENTS THE MINIMUM LENGTH OF PIPE (IN FEET) REQUIRED TO BE RESTRAINED ON THE HIGH SIDE OF THE VERTICAL OFFSET, WHICH IS TYPICALLY UPSTREAM OF THE OFFSET FITTING. REQUIRED RESTRAINED LENGTHS ASSUME AN OFFSET ANGLE OF 45 DEGREES.

B. DISTANCE REPRESENTS THE LINEAR FEET OF LARGE DIAMETER PIPE UPSTREAM OF THE REDUCER REQUIRED TO BE RESTRAINED. RESTRAIN SMALL DIAMETER PIPE AT REDUCER AT A MINIMUM. IF THERE IS AN UNOBSTRUCTED RUN DOWNSTREAM OF THE REDUCER (E.G. SMALL DIAMETER PIPE) OF AT LEAST 2 TIMES THE REQUIRED LENGTH OF LARGE DIAMETER PIPE TO BE RESTRAINED, THEN THE REDUCER IS REQUIRED ONLY AT THE REDUCER FITTING. IF SMALL END OF REDUCER IS MORE THAN THREE PIPE SIZES SMALLER THAN LARGE END, CONSULT ENGINEER FOR REQUIRED LENGTH TO BE RESTRAINED.

C. RESTRAINED LENGTH SHOWN FOR TEES AND CROSSES APPLIES TO THE SIDE BRANCH LINE WHEN THE STRAIGHT LINE IS UNRESTRAINED. THE LENGTHS SHOWN HERE ALSO ASSUME THAT THE SIZE OF THE BRANCH LINE IS LESS THAN OR EQUAL TO THE SIZE OF THE STRAIGHT LINE.



HILLIARD ARCHITECTS, INC
251 Post Street, Suite 620
San Francisco, CA 94108-5017
Tel 415 989 6400, Fax 415 989 3056
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	Drawing Title
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DETAILS

Approved: Project Director

Project Title	GENOMICS CLINICAL RESEARCH CENTER, PALO ALTO
Location	

Location
VAPAHCS - PALO ALTO

Date _____

04/05/2014

Project Number

640-389

Building Number

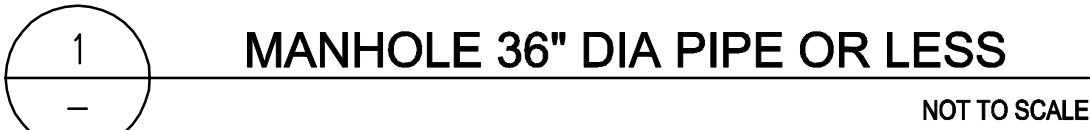
Denying Numbers

Drawing Number

CS802

Office of
Construction
and Facilities
Management

Department of
Public Health Services



Department of
Veterans Affairs



SLEEVE DETAIL

